

Comparisons of Job Characteristics

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Compare Knowledge
 Compare Skills
 Compare Abilities
 Compare Detailed Work Activities
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	21.1	19.8	0 Current knowledge level may be sufficient
Transportation	4.6	9.6	6.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 36

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	11.2	10.0	< A higher skill level may be required
Troubleshooting	4.5	11.0	10.4	0 Current skill level may be sufficient
Equipment Maintenance	3.5	10.2	10.1	0 Current skill level may be sufficient
Operation Monitoring	6.6	10.0	10.1	0 Current skill level may be sufficient
Operation and Control	5.4	9.7	8.5	< A higher skill level may be required
Quality Control Analysis	5.9	9.4	11.6	> Skill level is likely sufficient
Equipment Selection	3.3	7.5	7.5	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 54

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.3	9.1	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.9	7.7	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	11.9	9.0	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.8	9.2	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.6	8.7	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	11.4	9.7	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.3	5.3	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	6.9	5.8	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	6.4	4.8	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	5.9	6.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
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Work Activities	Exclusivity of Activity
Determine installation, service, or repair needed	58
Diagnose mechanical problems in machinery or equipment	65
Inspect machinery or equipment to determine adjustments or repairs needed	42
Read blueprints	10
Read schematics	34
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 76

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Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.